



Patent Application  
Attorney Docket No.PC23015A

I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents P. O. Box 1450, Alexandria, VA 22313-1450 on this 25<sup>th</sup> day of August 2003

By

Irene Grantham  
(Signature of person mailing)

Irene Grantham

(Typed or printed name of person)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Marcus E. Kehrli, Jr. :

APPLICATION NO.: 10/626,826 : Examiner: To Be Assigned

FILING DATE: July 22, 2003 : Group Art Unit: To Be Assigned

TITLE: Methods for Enhancing Immune Functions in :  
Neonatal Mammals by Administration of IL-18

Hon. Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 C.F.R. § 1.97 ET SEQ.

Applicant(s) herein make(s) available to the U.S. Patent and Trademark Office a copy of PTO-FB-A820 which lists the references cited by the applicant(s), copies of which are enclosed.

The Examiner is requested to consider carefully the complete text of these references in connection with the examination of the above-identified application in accord with 37 C.F.R. § 1.104(a). It is believed the Examiner will concur with applicant's belief that the subject matter presently claimed is neither anticipated nor rendered obvious by the foregoing references.

It is requested that the references listed on the attached form PTO-FB-A820 be included in the "References Cited" portion of any patent issuing from this application (M.P.E.P. § 1302.12).

A prompt and favorable response is earnestly solicited.

Respectfully submitted,

Date: Aug. 25, 2003  
Pfizer Inc.  
Patent Department, MS 8260-1611  
Eastern Point Road  
Groton, Connecticut 06340  
(860) 715-4288

Martha G. Munchhof  
Martha G. Munchhof  
Attorney for Applicant(s)  
Reg. No. 47,811



INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	ATTY. DOCKET NO. PC23015A	SERIAL NO. 10/626,826
	APPLICANT Marcus E. Kehrl, Jr.	
	FILING DATE July 22, 2003	GROUP Assigned To Be

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
US	6 2 0 7 6 4 1	3/27/01	Torigoe, et al.	514	12	

### FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO
WO 9 9 1 8 9 9 2	4/22/99	International	A61K	38/19	
WO 9 9 5 6 7 7 5	11/11/99	International	A61K	39/39	
WO 9 9 5 9 5 6 5	11/25/99	International	A61K	31/13	
WO 9 9 6 3 9 7 5	12/16/99	International	A61K	31/00	
EP 0 8 4 5 5 3 0	6/3/98	Europe	C12N	15/12	
JP 8 1 4 3 5 9 2	6/4/96	Japan	C07K	7/06	X

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Rajaraman, et al., "Effects of Replacement of Native Fat in Colostrum and Milk with Coconut Oil on Fat-Soluble Vitamins in Serum and Immune Function in Calves", <u>J. Dairy Sci</u> <b>80</b> , pp. 2380-2390 (1997)
	Arulanandam, et al., "Neonatal Administration of IL-12 Enhances the Protective Efficacy of Antiviral Vaccines", <u>The Journal of Immunology</u> , pp. 3698-3704 (2000)
	Shoda, et al., "Cloning of a cDNA Encoding Bovine Interleukin-18 and Analysis of IL-18 Expression in Macrophages and Its IFN- $\gamma$ -Inducing Activity", <u>Journal of Interferon and Cytokine Research</u> <b>19</b> , pp. 1169-1177 (1999)
	Fynan, et al., "DNA vaccines: Protective Immunizations by Parenteral, Mucosal, and Gene-gun Inoculations", <u>Proc. Natl. Acad. Sci</u> <b>90</b> , pp. 11487-11482 (1993)
	Saulnier, et al., "Immunomodulatory Effects in vivo of Recombinant Porcine Interferon Gamma on Leukocyte Functions of Immunosuppressed Pigs", <u>Ann Rech Vet</u> <b>22</b> , pp. 1-9 (1991)
	Ishikawa, et al., "Interferon- $\gamma$ Production of Mitogen Stimulated Peripheral Lymphocytes in Perinatal Cows", <u>J. Vet Med. Sci.</u> <b>56</b> (4), pp. 735-738 (1994)
	Hauser, et al., "Variation of Neutrophil Function with Age in Calves", <u>Am J. Vet Res</u> <b>47</b> (1), pp. 152-153 (1986)
	Chiang, et al., "Influence of Recombinant Bovine Interferon Gamma and Dexamethasone on Pneumonia Atributable to Haemophilus Somnus in Calves", <u>Am J Vet Res</u> <b>51</b> (5), pp. 759-762 (1990)
	Steinbeck, et al., "Activation of Bovine Neutrophils by Recombinant Interferon- $\gamma$ ", <u>Cellular Immunology</u> <b>98</b> , pp. 137-144 (1986)
	Ulmer, et al., "Heterologous Protection Against Influenza by Injection of DNA Encoding a Viral Protein", <u>Science</u> <b>259</b> , pp. 1745-1749 (1993)
	Gorman, et al., "The rous Sarcoma Virus Long Terminal Repeat is a Strong Promoter when Introduced into a Variety of Eukaryotic Cells by DNA-mediated Transfection", <u>Proc. Natl. Acad. Sci.</u> <b>79</b> , pp. 6777-6781 (1982)
	Chen, et al., "Requirements for CD4 <sup>+</sup> Cells and Gamma Interferon in Resolution of Established Cryptosporidium Parvum Infection in Mice", <u>Infection and Immunity</u> , pp. 3928-3932 (1993)



INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)			ATTY. DOCKET NO. PC23015A		SERIAL NO. 10/626,826	
			APPLICANT Marcus E. Kehrli, Jr.			
			FILING DATE July 22, 2003		GROUP To Be Assigned	
			Chen, et al., "Gamma Interferon Functions in Resistance to Cryptosporidium Parvum Infection in Severe Combined Immunodeficient Mice", <u>Infection and Immunity</u> , pp. 3548-3551 (1993)			
			Brinster, et al., "Regulation of Metallothionein-thymidine Kinase Fusion Plasmids Injected into Mouse Eggs", <u>Nature</u> 296, pp. 39-42 (1982)			
			Seed, "An LFA-3 cDNA Encodes a Phospholipid-linked Membrane Protein Homologous to its Receptor CD2", <u>Nature</u> 329, pp. 840-842 (1987)			
			Tang, et al., "Genetic Immunization is a Simple Method for Eliciting an Immune Response", <u>Nature</u> 356, pp. 152-154 (1992)			
			Ohmann, et al., "Alteration of Some Leukocyte Functions Following In Vivo and In Vitro Exposure to Recombinant Bovine Alpha- and Gamma-Interferon", <u>Journal of Interferon Research</u> 6, pp. 123-136 (1986)			
			Harp, et al., "In Vitro Proliferation and Production of Gamma Interferon by Murine CD4 <sup>+</sup> Cells in Response to Cryptosporidium Parvum Antigen", <u>J. Parasitol.</u> 80(1), pp. 67-72 (1994)			
			Harp, et al., "Development of Cellular Immune Functions in Neonatal to Weanling Mice: Relationship to Cryptosporidium Parvum Infection", <u>J. Parasitol.</u> 82(2), pp. 245-249 (1996)			
			Sprague, et al., "Expression of a Recombinant DNA Gene Coding for the Vesicular Stomatitis Virus Nucleocapsid Protein", <u>Journal of Virology</u> 45(2), pp. 773-781 (1983)			
			Stacey, et al., "Comparison of Myeloproliferative Sarcoma Virus with Moloney Murine Sarcoma Virus Variants by Nucleotide Sequencing and Heteroduplex Analysis", <u>Journal of Virology</u> 50(3), pp. 725-732 (1984)			
EXAMINER			DATE CONSIDERED			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

Conforms with FORM PTO-FB-A820

INFORMATION DISCLOSURE